2007 Michigan Behavioral Risk Factor Survey: Estimates by Race-Ethnicity

Selected Tables

Behavioral Risk Factor Survey
2007

Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology
Bureau of Epidemiology
Michigan Department of Community Health

Table of Contents

Introduction

The Michigan Behavioral Risk Factor Survey (BRFS) is an annual, statewide telephone survey of Michigan adults aged 18 years and older that is conducted through a collaborative effort among the Behavioral Surveillance Branch (BSB) of the Centers for Disease Control and Prevention, the Michigan State University Institute for Public Policy and Social Research (IPPSR), and the Michigan Department of Community Health. Michigan BRFS data contribute to the national Behavioral Risk Factor Surveillance System that is managed by BSB.

For the 2007 Michigan BRFS, data were collected quarterly by IPPSR. The sample of telephone numbers that were utilized for data collection was selected using a list-assisted, random-digit-dialed methodology with a disproportionate stratification based on phone bank density, and whether or not the phone numbers were directory listed. In addition, census tracts with a high density of African Americans in the population were oversampled.

The total sample size of completed interviews was 7,505, with 1,231 being Black/Non-Hispanics, 305 being Other/Non-Hispanics, and 134 being Hispanics. These relatively small sample sizes required that demographic groups be combined for analysis. Estimates are reported for subgroups with a sample size of at least 50 respondents. Some of the estimates for these racial-ethnic subgroups are relatively imprecise (i.e., have large confidence intervals) and should be used with caution.

State-specific, population-based prevalence estimates and asymmetric confidence intervals were calculated for indicators of health status, health risk behaviors, clinical preventive practices, and chronic conditions among the adult population in Michigan by race-ethnicity. These estimates were weighted to adjust for the probabilities of selection and a post-stratification weighting factor that adjusted for the distribution of Michigan adults by age, sex, and race/ethnicity at the state level. These analyses were performed in SAS-Callable SUDAAN®, a statistical computing program that was designed for complex sample surveys.

Table 1: Fair or Poor General Health[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.8	(13.8-15.8)	13.0	(12.0-14.0)	23.4	(20.2-27.0)	17.3	(13.2-22.4)	16.4	(7.9-30.9)
Age										
18 - 49	10.3	(8.9-11.8)	8.9	(7.5-10.4)	16.4	(12.5-21.2)	10.2	(6.3-16.1)	14.6	(5.2-34.6)
50 +	20.7	(19.4-22.1)	18.1	(16.8-19.5)	36.3	(31.5-41.3)	31.3	(23.2-40.7)	23.1	(12.5-38.8)
Gender										
Male	14.3	(12.7-16.1)	12.9	(11.4-14.6)	21.9	(16.7-28.2)	11.2	(6.8-18.0)		---[c]
Female	15.2	(14.1-16.5)	13.0	(11.8-14.3)	24.7	(20.9-28.9)	23.2	(16.9-30.8)	10.4	(5.1-20.1)
Education										
High school graduate or less	21.0	(19.1-23.1)	19.5	(17.6-21.6)	28.1	(23.2-33.7)	19.3	(12.0-29.4)	25.9	(11.2-49.1)
Some college or more	10.5	(9.5-11.6)	8.9	(7.9-10.1)	19.9	(15.8-24.6)	15.8	(11.2-21.9)	5.3	(1.9-14.2)
Household Income										
< $35,000	25.0	(22.7-27.4)	22.7	(20.4-25.2)	29.3	(24.4-34.8)	33.4	(23.6-44.9)		---[c]
$35,000 +	8.1	(7.1-9.1)	7.5	(6.5-8.6)	13.7	(9.9-18.6)	9.0	(5.3-15.0)	4.9	(1.8-12.8)

[a] The proportion who reported that their health, in general, was either fair or poor.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

Table 2: Poor Physical Health on at Least 14 Days in the Past Month[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.1	(10.3-12.1)	10.5	(9.6-11.5)	13.2	(10.7-16.2)	14.2	(10.2-19.3)	11.6	(5.6-22.4)
Age										
18 - 49	8.4	(7.2-9.7)	8.1	(6.8-9.5)	9.0	(5.9-13.3)	11.3	(7.0-17.9)	8.2	(2.4-24.6)
50 +	14.9	(13.8-16.2)	13.7	(12.5-15.0)	21.1	(17.4-25.5)	21.1	(14.0-30.4)	22.7	(12.1-38.5)
Gender										
Male	9.5	(8.3-11.0)	9.1	(7.8-10.6)	13.0	(8.8-19.0)	6.7	(3.5-12.5)		---[c]
Female	12.6	(11.5-13.8)	11.8	(10.6-13.2)	13.3	(10.8-16.4)	21.5	(15.0-29.8)	12.4	(5.1-27.2)
Education										
High school graduate or less	15.0	(13.4-16.8)	14.4	(12.7-16.3)	17.6	(13.2-23.0)	14.2	(8.0-24.0)	18.0	(7.3-38.0)
Some college or more	8.7	(7.8-9.8)	8.2	(7.2-9.4)	10.1	(7.4-13.6)	14.3	(9.6-20.8)	5.5	(2.0-14.3)
Household Income										
< $35,000	17.6	(15.7-19.7)	16.9	(14.8-19.1)	17.5	(13.4-22.6)	28.0	(18.6-39.7)		---[c]
$35,000 +	6.9	(6.0-8.0)	6.9	(5.9-8.0)	6.6	(4.2-10.1)	7.6	(3.9-14.2)	9.3	(3.0-25.6)

[a] The proportion who reported 14 or more days of physical health that was not good, which includes physical illness and injury, during the past 30 days.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

4

Table 3: Poor Mental Health on at Least 14 Days in the Past Month[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.0	(10.1-12.0)	10.7	(9.7-11.8)	13.2	(10.5-16.6)	9.9	(6.6-14.8)	9.0	(4.3-17.9)
Age										
18 - 49	12.5	(11.1-14.1)	12.7	(11.1-14.5)	14.6	(10.6-19.7)	9.8	(5.5-16.8)	7.5	(2.6-19.8)
50 +	8.8	(7.9-9.7)	8.3	(7.3-9.3)	10.8	(8.1-14.4)	10.7	(6.4-17.6)	14.4	(6.5-28.8)
Gender										
Male	9.1	(7.7-10.6)	8.6	(7.2-10.3)	12.4	(7.9-19.1)	6.8	(2.9-15.5)		---[c]
Female	12.8	(11.6-14.1)	12.7	(11.4-14.2)	13.9	(10.9-17.5)	12.9	(8.3-19.6)	9.0	(4.1-18.5)
Education										
High school graduate or less	13.7	(12.0-15.6)	13.1	(11.3-15.1)	17.4	(12.6-23.4)	11.5	(5.2-23.7)	15.0	(6.4-31.3)
Some college or more	9.3	(8.3-10.5)	9.4	(8.2-10.7)	10.3	(7.3-14.3)	9.3	(5.8-14.4)	2.5	(0.8-7.4)
Household Income										
< $35,000	15.8	(13.8-17.9)	15.2	(13.0-17.6)	18.4	(13.9-24.0)	13.4	(7.5-22.7)		---[c]
$35,000 +	8.3	(7.2-9.4)	8.7	(7.5-10.0)	6.2	(3.4-11.0)	6.5	(3.5-11.8)	4.8	(1.9-11.2)

[a] The proportion who reported 14 or more days of mental health that was not good, which includes stress, depression, and problems with emotions, during the past 30 days.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

5

Table 4: Activity Limitation on at Least 14 Days in the Past Month[a] by Race-Ethnicity 2007 Michigan BRFS									
Demographic Characteristics	**Michigan[b]**		**White, Non-Hispanic**		**Black, Non-Hispanic**		**Other/Multiracial, Non-Hispanic**		**Hispanic**	
	%	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**
Total	7.1	(6.4-7.9)	6.8	(6.0-7.7)	9.3	(7.3-11.7)	9.4	(6.1-14.1)	1.5	(0.6-4.0)
Age										
18 - 49	6.0	(5.1-7.2)	5.9	(4.8-7.2)	7.5	(5.0-11.1)	9.2	(5.1-15.8)	0.4	(0.1-2.8)
50 +	8.6	(7.7-9.6)	8.0	(7.0-9.1)	12.8	(10.0-16.3)	10.3	(5.8-17.8)	5.8	(2.0-16.0)
Gender										
Male	5.9	(4.8-7.1)	5.9	(4.8-7.2)	7.5	(4.5-12.4)	5.8	(2.2-14.6)		---[c]
Female	8.3	(7.4-9.3)	7.7	(6.7-8.9)	10.7	(8.4-13.5)	12.8	(8.2-19.4)	3.3	(1.3-8.5)
Education										
High school graduate or less	10.1	(8.7-11.7)	10.0	(8.5-11.8)	13.0	(9.5-17.6)	9.9	(4.2-21.8)	2.9	(1.1-7.9)
Some college or more	5.2	(4.5-6.0)	4.9	(4.2-5.8)	6.6	(4.6-9.3)	9.1	(5.7-14.3)	0.0	---
Household Income										
< $35,000	12.9	(11.3-14.7)	12.8	(10.9-15.0)	14.0	(10.6-18.3)	17.8	(10.7-28.0)		---[c]
$35,000 +	3.6	(3.0-4.4)	3.8	(3.1-4.7)	3.1	(1.7-5.4)	3.8	(1.8-7.8)	0.0	---

[a] The proportion who reported 14 or more days in the past 30 days in which either poor physical health or poor mental health kept respondents from doing their usual activities, such as self-care, work, and recreation.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

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6

Table 5: Mean Number of Days of Poor Physical Health[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval
Total	3.6	(3.4-3.9)	3.5	(3.3-3.7)	4.3	(3.6-5.0)	4.3	(3.1-5.4)	3.4	(1.8-5.0)
Age										
18 - 49	2.9	(2.6-3.2)	2.8	(2.5-3.2)	3.2	(2.3-4.1)	3.2	(1.8-4.5)	2.3	(0.5-4.0)
50 +	4.7	(4.4-5.0)	4.3	(4.0-4.7)	6.3	(5.3-7.3)	6.8	(4.6-9.0)	6.9	(3.5-10.3)
Gender										
Male	3.2	(2.8-3.5)	3.1	(2.7-3.4)	4.1	(2.8-5.3)	2.1	(1.0-3.1)	---[c]	
Female	4.1	(3.8-4.4)	3.9	(3.6-4.2)	4.4	(3.7-5.2)	6.4	(4.5-8.3)	3.2	(1.5-4.9)
Education										
High school graduate or less	4.6	(4.2-5.1)	4.5	(4.1-5.0)	5.2	(4.0-6.4)	4.5	(2.5-6.5)	4.2	(1.4-6.9)
Some college or more	3.0	(2.8-3.3)	2.9	(2.6-3.1)	3.6	(2.8-4.4)	4.2	(2.7-5.6)	2.6	(0.9-4.3)
Household Income										
< $35,000	5.5	(5.0-6.0)	5.4	(4.8-6.0)	5.5	(4.3-6.7)	7.3	(4.9-9.7)	---[c]	
$35,000 +	2.5	(2.3-2.8)	2.5	(2.2-2.8)	2.5	(1.8-3.2)	2.7	(1.3-4.1)	2.8	(1.2-4.5)

[a] The mean number of days during the past 30 days in which physical health, including illness and injury, was not good.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

7

Table 6: Mean Number of Days of Poor Mental Health[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval
Total	3.7	(3.4-3.9)	3.6	(3.3-3.8)	4.4	(3.6-5.2)	3.5	(2.5-4.5)	3.8	(1.9-5.6)
Age										
18 - 49	4.2	(3.9-4.6)	4.2	(3.8-4.6)	4.9	(3.8-6.1)	3.8	(2.4-5.2)	3.4	(1.2-5.7)
50 +	2.9	(2.7-3.2)	2.8	(2.5-3.1)	3.5	(2.7-4.2)	3.2	(2.0-4.5)	5.0	(2.2-7.8)
Gender										
Male	3.1	(2.7-3.4)	3.0	(2.6-3.3)	3.8	(2.5-5.1)	2.5	(1.2-3.7)	---[c]	
Female	4.3	(3.9-4.5)	4.1	(3.8-4.5)	4.9	(3.9-5.8)	4.5	(3.0-6.1)	3.8	(2.1-5.5)
Education										
High school graduate or less	4.2	(3.8-4.7)	4.0	(3.6-4.4)	5.5	(4.0-6.9)	3.7	(1.9-5.6)	5.0	(1.7-8.3)
Some college or more	3.3	(3.1-3.6)	3.3	(3.0-3.6)	3.6	(2.8-4.4)	3.5	(2.3-4.6)	2.4	(1.1-3.7)
Household Income										
< $35,000	5.2	(4.6-5.7)	4.9	(4.3-5.4)	5.7	(4.4-7.1)	5.3	(3.2-7.3)	---[c]	
$35,000 +	2.9	(2.7-3.2)	3.0	(2.7-3.3)	2.6	(1.8-3.3)	2.6	(1.5-3.8)	2.2	(0.8-3.5)

[a] The mean number of days during the past 30 days in which mental health, including stress, depression, and problems with emotions, was not good.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

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8

Table 7: Mean Number of Days of Activity Limitation[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] Mean	95% Confidence Interval	White, Non-Hispanic Mean	95% Confidence Interval	Black, Non-Hispanic Mean	95% Confidence Interval	Other/Multiracial, Non-Hispanic Mean	95% Confidence Interval	Hispanic Mean	95% Confidence Interval
Total	2.3	(2.1-2.5)	2.2	(2.0-2.4)	3.0	(2.4-3.6)	2.8	(1.8-3.9)	1.7	(0.8-2.7)
Age										
18 - 49	2.1	(1.8-2.3)	1.9	(1.6-2.2)	2.7	(1.8-3.6)	2.7	(1.4-4.1)	1.6	(0.5-2.7)
50 +	2.6	(2.4-2.8)	2.4	(2.2-2.7)	3.6	(2.8-4.4)	3.2	(1.6-4.8)	2.2	(0.5-3.9)
Gender										
Male	2.0	(1.7-2.3)	1.9	(1.6-2.2)	2.8	(1.7-3.9)	2.2	(0.5-3.8)	---[c]	
Female	2.5	(2.3-2.8)	2.4	(2.1-2.6)	3.1	(2.5-3.8)	3.5	(2.3-4.8)	1.7	(0.7-2.7)
Education										
High school graduate or less	3.0	(2.7-3.4)	2.9	(2.5-3.3)	3.9	(2.8-5.0)	3.3	(0.9-5.6)	2.5	(1.0-4.1)
Some college or more	1.8	(1.6-2.0)	1.7	(1.5-1.9)	2.3	(1.6-3.0)	2.7	(1.7-3.7)	0.9	(0.2-1.6)
Household Income										
< $35,000	3.9	(3.5-4.3)	3.8	(3.3-4.3)	4.1	(3.0-5.1)	5.2	(3.2-7.3)	---[c]	
$35,000 +	1.4	(1.2-1.6)	1.4	(1.2-1.6)	1.6	(1.0-2.3)	1.2	(0.6-1.8)	0.8	(0.1-1.5)

[a] The mean number of days during the past 30 days in which poor physical health or poor mental health kept the respondent from doing usual activities, such as self-care, work, or recreation.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

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9

Table 8: Dissatisfied or Very Dissatisfied with Life[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] %	95% Confidence Interval	White, Non-Hispanic %	95% Confidence Interval	Black, Non-Hispanic %	95% Confidence Interval	Other/Multiracial, Non-Hispanic %	95% Confidence Interval	Hispanic %	95% Confidence Interval
Total	6.6	(5.9-7.4)	6.0	(5.2-6.8)	11.0	(8.6-13.9)	8.3	(5.2-13.3)	3.3	(1.5-7.3)
Age										
18 - 49	7.3	(6.2-8.6)	6.7	(5.5-8.2)	11.2	(8.1-15.4)	8.9	(4.8-16.0)	2.0	(0.6-6.3)
50 +	5.6	(4.9-6.5)	4.9	(4.2-5.8)	10.3	(7.3-14.3)	7.6	(3.7-14.9)	7.8	(2.7-20.4)
Gender										
Male	6.8	(5.6-8.1)	6.0	(4.8-7.5)	11.3	(7.3-17.1)	9.7	(4.6-19.3)	---[c]	
Female	6.5	(5.7-7.4)	5.9	(5.0-7.0)	10.7	(8.2-13.8)	7.0	(4.1-11.6)	2.8	(1.0-7.4)
Education										
High school graduate or less	8.0	(6.7-9.5)	7.3	(5.9-8.9)	12.2	(8.4-17.5)	10.0	(4.6-20.5)	4.8	(1.7-12.7)
Some college or more	5.8	(5.0-6.8)	5.2	(4.3-6.3)	10.0	(7.3-13.6)	7.5	(4.1-13.6)	1.9	(0.5-6.9)
Household Income										
< $35,000	11.7	(10.0-13.6)	10.4	(8.6-12.6)	15.8	(11.8-21.0)	17.9	(10.2-29.5)	----[c]	
$35,000 +	3.9	(3.2-4.8)	3.9	(3.1-5.0)	4.9	(3.0-7.8)	2.0	(0.7-6.0)	2.9	(0.8-9.7)

[a] The proportion who reported either "Dissatisfied" or "Very Dissatisfied" to the following question: "In general, how satisfied are you with your life?"
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

Table 9: Rarely or Never Receive Needed Social and Emotional Support[a] by Race-Ethnicity 2007 Michigan BRFS									
Demographic Characteristics	**Michigan[b]**		**White, Non-Hispanic**		**Black, Non-Hispanic**		**Other/Multiracial, Non-Hispanic**		**Hispanic**	
	%	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**
Total	6.4	(5.8-7.2)	5.9	(5.2-6.7)	8.8	(6.9-11.1)	8.9	(5.7-13.8)	4.8	(2.2-10.4)
Age										
18 - 49	5.9	(4.9-7.0)	5.5	(4.5-6.8)	7.2	(5.0-10.3)	9.0	(4.9-15.9)	3.1	(0.8-11.2)
50 +	7.0	(6.2-7.9)	6.3	(5.5-7.3)	11.1	(8.1-15.0)	9.3	(4.9-16.9)	11.5	(5.1-23.7)
Gender										
Male	7.5	(6.4-8.9)	7.2	(6.0-8.7)	9.0	(5.9-13.5)	8.9	(4.2-17.9)		---[c]
Female	5.4	(4.7-6.2)	4.7	(4.0-5.5)	8.6	(6.5-11.3)	9.0	(5.2-15.0)	3.2	(1.2-8.3)
Education										
High school graduate or less	8.9	(7.7-10.2)	8.5	(7.2-10.1)	13.1	(9.5-17.9)	7.4	(3.7-14.3)	3.0	(0.9-9.9)
Some college or more	4.9	(4.1-5.8)	4.3	(3.5-5.3)	5.7	(4.0-7.9)	9.8	(5.5-16.8)	6.8	(2.5-17.3)
Household Income										
< $35,000	10.0	(8.7-11.5)	9.8	(8.2-11.6)	11.9	(8.9-15.8)	12.3	(6.8-21.3)		---[c]
$35,000 +	4.6	(3.8-5.6)	4.4	(3.5-5.5)	4.3	(2.3-7.8)	8.6	(4.2-16.9)	5.4	(2.3-12.3)

[a] The proportion who reported either "Rarely" or "Never" to the following question: "How often do you get the social and emotional support you need?"
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

11

Table 10: Disability[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	22.7	(21.5-23.9)	22.2	(20.9-23.5)	24.7	(21.5-28.3)	23.9	(19.0-29.5)	20.8	(12.8-32.1)
Age										
18 - 49	15.2	(13.6-16.9)	15.1	(13.3-17.1)	16.0	(12.2-20.6)	13.5	(9.0-19.7)	15.9	(7.5-30.6)
50 +	32.8	(31.2-34.4)	31.0	(29.3-32.7)	41.4	(36.4-46.6)	45.3	(36.0-55.0)	36.8	(23.2-52.9)
Gender										
Male	21.4	(19.6-23.4)	21.1	(19.1-23.3)	24.8	(19.3-31.2)	16.8	(11.3-24.2)		---[c]
Female	23.9	(22.5-25.4)	23.2	(21.6-24.8)	24.7	(21.1-28.8)	30.8	(23.6-39.0)	21.6	(11.9-36.1)
Education										
High school graduate or less	27.4	(25.3-29.7)	27.0	(24.7-29.5)	29.4	(24.3-35.1)	28.1	(19.2-39.1)	27.5	(14.4-45.9)
Some college or more	19.4	(18.0-20.8)	19.2	(17.7-20.8)	21.2	(17.3-25.9)	21.4	(15.9-28.1)	12.8	(5.7-26.3)
Household Income										
< $35,000	33.4	(30.9-36.0)	32.6	(29.8-35.5)	33.0	(27.9-38.6)	43.6	(32.5-55.5)		---[c]
$35,000 +	16.2	(14.8-17.6)	16.8	(15.3-18.5)	12.8	(9.4-17.2)	14.2	(9.6-20.4)	10.6	(3.9-25.8)

[a] The proportion who reported being limited in any activities because of physical, mental, or emotional problems, or reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

12

Table 11: Any Activity Limitation[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	21.1	(20.0-22.3)	20.7	(19.4-22.0)	22.6	(19.4-26.0)	22.7	(18.0-28.2)	20.4	(12.4-31.7)
Age										
18 - 49	14.6	(13.0-16.4)	14.5	(12.7-16.5)	15.3	(11.6-19.9)	13.3	(8.8-19.5)	15.9	(7.5-30.6)
50 +	30.0	(28.5-31.6)	28.5	(26.8-30.1)	36.6	(31.8-41.7)	42.2	(33.1-51.8)	34.7	(21.4-51.0)
Gender										
Male	19.9	(18.1-21.9)	19.7	(17.7-21.8)	22.6	(17.3-28.9)	15.3	(10.2-22.3)		---[c]
Female	22.2	(20.8-23.7)	21.6	(20.0-23.2)	22.5	(19.1-26.5)	30.0	(22.9-38.2)	20.6	(11.0-35.2)
Education										
High school graduate or less	25.2	(23.1-27.4)	24.7	(22.5-27.1)	26.7	(21.8-32.3)	26.5	(17.9-37.4)	26.7	(13.8-45.2)
Some college or more	18.3	(17.0-19.7)	18.2	(16.7-19.7)	19.5	(15.7-23.9)	20.4	(15.1-27.0)	12.7	(5.6-26.2)
Household Income										
< $35,000	31.0	(28.6-33.5)	29.9	(27.2-32.7)	30.7	(25.7-36.2)	42.8	(31.7-54.6)		---[c]
$35,000 +	15.3	(13.9-16.7)	15.9	(14.4-17.5)	12.5	(9.1-16.9)	13.0	(8.8-18.9)	10.6	(3.9-25.8)

[a] The proportion of respondents who reported being limited in any activities because of physical, mental, or emotional problems.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

Table 12: Used Special Equipment[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	7.2	(6.6-7.9)	6.7	(6.0-7.4)	10.3	(8.5-12.6)	9.0	(6.2-13.0)	2.3	(0.8-6.6)
Age										
18 - 49	3.0	(2.4-3.8)	3.0	(2.2-4.0)	4.0	(2.5-6.4)	3.4	(1.6-6.9)	0.3	(0.0-1.8)
50 - 64	12.8	(11.7-13.9)	11.3	(10.2-12.4)	22.2	(18.2-26.8)	20.2	(13.3-29.6)	9.9	(3.3-26.0)
Gender										
Male	5.9	(5.0-6.9)	5.6	(4.6-6.7)	9.1	(6.2-13.1)	5.5	(2.8-10.5)		---[c]
Female	8.4	(7.6-9.3)	7.7	(6.8-8.7)	11.4	(9.1-14.2)	12.4	(7.9-19.0)	2.8	(1.0-7.2)
Education										
High school graduate or less	8.7	(7.7-9.9)	8.3	(7.2-9.7)	11.5	(8.9-14.7)	13.3	(7.5-22.3)	1.7	(0.4-6.2)
Some college or more	6.1	(5.4-7.0)	5.7	(4.9-6.6)	9.5	(7.0-12.8)	6.9	(4.1-11.4)	3.1	(0.7-12.7)
Household Income										
< $35,000	12.2	(10.8-13.8)	12.1	(10.4-14.0)	12.8	(10.0-16.2)	17.6	(10.7-27.6)		---[c]
$35,000 +	3.8	(3.2-4.5)	3.8	(3.1-4.6)	4.8	(3.1-7.2)	4.0	(1.8-8.5)	1.2	(0.3-5.2)

[a] The proportion of respondents who reported that they required use of special equipment (such as a can, a wheelchair, a special bed, or a special telephone) due to a health problem.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

Table 13: Obesity[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	28.4	(27.1-29.9)	26.8	(25.4-28.4)	37.4	(33.3-41.7)	25.8	(20.3-32.1)	38.1	(25.0-53.3)
Age										
18 - 49	25.8	(23.7-28.0)	24.0	(21.8-26.4)	35.3	(29.7-41.4)	18.6	(12.4-26.8)	35.8	(19.9-55.5)
50 +	32.3	(30.7-34.0)	30.4	(28.7-32.2)	41.8	(36.6-47.1)	40.2	(31.3-49.8)	46.8	(32.0-62.3)
Gender										
Male	29.1	(26.8-31.4)	28.2	(25.9-30.6)	33.2	(27.1-40.0)	18.1	(11.9-26.7)		---[c]
Female	27.8	(26.2-29.5)	25.5	(23.8-27.3)	40.9	(35.6-46.5)	33.8	(25.7-42.9)	21.2	(12.6-33.4)
Education										
High school graduate or less	30.4	(28.0-32.9)	28.6	(26.2-31.1)	38.6	(32.5-44.9)	23.3	(14.9-34.5)	42.7	(23.3-64.6)
Some college or more	27.3	(25.6-29.1)	25.8	(24.0-27.7)	36.6	(31.1-42.5)	26.8	(20.1-34.7)	33.5	(18.6-52.6)
Household Income										
< $35,000	32.0	(29.4-34.7)	29.5	(26.7-32.3)	39.4	(33.5-45.7)	34.6	(24.3-46.6)		---[c]
$35,000 +	27.8	(26.0-29.7)	26.7	(24.8-28.7)	36.3	(29.9-43.2)	24.5	(17.3-33.3)	37.6	(22.3-55.8)

Note: BMI, body mass index, is defined as weight (in kilograms) divided by height (in meters) squared [weight in kg/(height in meters)^2]. Weight and height were self-reported. Pregnant women were excluded.
[a] The proportion of respondents whose BMI was greater than or equal to 30.0.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.4	(13.1-15.8)	13.7	(12.2-15.3)	18.7	(15.1-22.9)	15.8	(10.6-22.9)	11.3	(5.6-21.4)
Age										
18 - 49	17.0	(15.2-19.0)	16.4	(14.4-18.7)	21.2	(16.6-26.7)	18.1	(11.6-27.1)	12.3	(5.7-24.4)
50 - 64	8.4	(7.2-9.8)	8.0	(6.7-9.5)	11.4	(7.9-16.3)	8.5	(3.9-17.3)	---[c]	
Gender										
Male	15.5	(13.5-17.8)	14.9	(12.6-17.5)	20.7	(14.9-28.1)	15.9	(8.3-28.1)	---[c]	
Female	13.3	(11.7-15.0)	12.5	(10.8-14.5)	16.9	(12.9-21.8)	15.8	(9.8-24.4)	13.8	(6.3-27.6)
Education										
High school graduate or less	22.2	(19.6-25.1)	21.4	(18.4-24.7)	28.9	(22.3-36.5)	20.8	(10.1-37.9)	16.6	(6.9-34.7)
Some college or more	10.0	(8.7-11.5)	9.6	(8.2-11.4)	11.5	(8.3-15.9)	13.8	(8.6-21.4)	4.9	(1.4-15.4)
Household Income										
< $35,000	30.3	(27.1-33.8)	31.3	(27.3-35.6)	28.6	(22.4-35.7)	36.1	(23.6-50.7)	---[c]	
$35,000 +	6.6	(5.5-8.0)	6.8	(5.6-8.4)	5.9	(3.6-9.6)	3.7	(1.5-9.1)	9.0	(3.2-22.6)

**Table 14: No Health Care Coverage
Adults Aged 18 - 64 Years[a] by Race-Ethnicity
2007 Michigan BRFS**

[a] Among those aged 18-64 years (n = 4,170), the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

Table 15: No Personal Health Care Provider[a] by Race-Ethnicity 2007 Michigan BRFS										
Demographic Characteristics	**Michigan[b]**		**White, Non-Hispanic**		**Black, Non-Hispanic**		**Other/Multiracial, Non-Hispanic**		**Hispanic**	
	%	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**	**%**	**95% Confidence Interval**
Total	15.0	(13.7-16.3)	14.2	(12.9-15.7)	16.8	(13.8-20.2)	17.6	(12.1-24.9)	20.6	(10.9-35.3)
Age										
18 - 49	21.0	(19.0-23.2)	21.0	(18.8-23.5)	20.0	(15.8-25.0)	21.3	(13.6-31.7)	24.0	(12.1-42.1)
50 +	6.6	(5.7-7.5)	5.7	(4.9-6.7)	10.9	(7.8-15.0)	11.4	(6.5-19.1)	8.6	(3.0-22.4)
Gender										
Male	19.3	(17.2-21.5)	18.1	(15.8-20.5)	20.0	(15.0-26.1)	28.4	(18.6-40.8)		---[c]
Female	10.9	(9.7-12.4)	10.6	(9.2-12.3)	14.1	(10.9-18.2)	6.8	(3.7-12.3)	12.6	(5.8-25.1)
Education										
High school graduate or less	18.1	(15.9-20.5)	17.3	(14.9-19.9)	20.1	(15.4-25.8)	16.6	(8.1-31.2)	26.0	(11.2-49.4)
Some college or more	13.0	(11.5-14.5)	12.3	(10.8-14.1)	14.3	(10.8-18.7)	18.3	(11.8-27.4)	14.9	(6.0-32.5)
Household Income										
< $35,000	22.0	(19.5-24.8)	22.6	(19.5-26.0)	20.9	(16.5-26.2)	20.3	(11.9-32.5)		---[c]
$35,000 +	10.3	(9.0-11.7)	10.4	(9.0-12.0)	10.3	(6.9-15.1)	11.2	(6.0-19.9)	5.1	(1.8-13.6)

[a] The proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

Table 16: No Health Care Access During Past 12 Months Due to Cost[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	11.7	(10.7-12.8)	10.2	(9.2-11.4)	17.3	(14.1-21.0)	17.6	(12.8-23.6)	14.7	(7.2-27.7)
Age										
18 - 49	14.9	(13.3-16.7)	13.4	(11.7-15.3)	19.8	(15.2-25.4)	21.2	(14.6-29.8)	16.1	(7.0-32.8)
50 +	7.2	(6.4-8.2)	6.3	(5.4-7.2)	13.0	(10.1-16.6)	10.9	(6.3-18.3)	9.8	(3.7-23.6)
Gender										
Male	10.4	(8.9-12.2)	8.8	(7.4-10.6)	17.3	(11.9-24.4)	13.6	(7.7-23.0)		---[c]
Female	12.8	(11.6-14.2)	11.5	(10.1-13.1)	17.2	(13.8-21.3)	21.5	(14.9-30.0)	12.8	(6.1-25.0)
Education										
High school graduate or less	14.2	(12.4-16.1)	12.8	(10.9-14.9)	20.6	(15.5-26.8)	15.5	(8.7-26.1)	15.6	(6.7-32.4)
Some college or more	10.1	(8.9-11.4)	8.6	(7.4-10.0)	14.8	(11.0-19.5)	18.7	(12.8-26.5)	13.9	(3.9-38.8)
Household Income										
< $35,000	21.7	(19.4-24.3)	19.6	(17.0-22.5)	24.7	(19.6-30.6)	41.7	(30.3-54.2)		---[c]
$35,000 +	6.4	(5.4-7.7)	5.9	(4.9-7.1)	8.2	(4.8-13.5)	6.4	(3.2-12.5)	15.8	(5.3-38.7)

[a] The proportion who reported that in the past 12 months, they could not see a doctor when they needed to due to the cost.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

18

Table 17: Has Medicaid Coverage[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.0	(10.1-12.0)	8.1	(7.3-9.1)	24.6	(20.9-28.8)	17.0	(11.9-23.6)	12.3	(6.8-21.5)
Age										
18 - 49	9.7	(8.3-11.3)	5.9	(4.8-7.4)	24.6	(19.3-30.7)	19.8	(12.7-29.4)	11.9	(5.6-23.6)
50 +	12.6	(11.5-13.7)	10.9	(9.9-12.0)	25.5	(21.1-30.5)	12.2	(7.4-19.5)	13.8	(6.1-28.4)
Gender										
Male	10.4	(9.0-11.9)	8.0	(6.7-9.5)	23.2	(17.6-29.9)	16.0	(8.6-27.7)		---[c]
Female	11.6	(10.4-12.9)	8.3	(7.2-9.4)	25.8	(21.0-31.3)	17.9	(11.9-26.0)	18.1	(8.6-34.1)
Education										
High school graduate or less	17.5	(15.7-19.5)	13.1	(11.3-15.0)	38.6	(32.5-45.1)	24.4	(14.2-38.5)	17.3	(7.9-33.6)
Some college or more	6.7	(5.8-7.8)	5.2	(4.4-6.2)	13.5	(9.4-19.1)	13.4	(8.4-20.8)	7.0	(2.9-15.9)
Household Income										
< $35,000	20.8	(18.6-23.2)	15.8	(13.7-18.2)	38.3	(32.1-44.9)	26.0	(16.8-38.0)		---[c]
$35,000 +	4.3	(3.5-5.2)	3.2	(2.6-3.9)	7.8	(4.5-13.3)	12.8	(6.6-23.5)	9.1	(2.9-25.4)

[a] Among all respondents, the proportion who reported that they currently have Medicaid health care coverage.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

Table 18: No Leisure-Time Physical Activity[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	20.9	(19.6-22.1)	18.5	(17.4-19.8)	29.8	(25.8-34.1)	25.4	(19.7-32.0)	30.7	(19.1-45.6)
Age										
18 - 49	17.1	(15.3-19.1)	13.8	(12.1-15.6)	27.3	(21.8-33.6)	23.3	(16.1-32.4)	33.9	(19.5-51.9)
50 +	25.5	(24.1-27.0)	24.3	(22.8-25.9)	33.8	(29.2-38.8)	30.2	(22.0-39.9)	20.1	(11.2-33.3)
Gender										
Male	18.3	(16.4-20.3)	15.9	(14.2-17.9)	26.6	(20.3-34.0)	21.0	(13.5-31.3)		---[c]
Female	23.3	(21.8-24.8)	21.0	(19.5-22.6)	32.4	(27.6-37.6)	29.6	(22.0-38.5)	25.0	(14.3-40.1)
Education										
High school graduate or less	28.6	(26.4-30.9)	26.5	(24.2-28.8)	34.6	(28.9-40.7)	30.2	(19.8-43.1)	44.7	(26.3-64.6)
Some college or more	15.7	(14.4-17.2)	13.7	(12.4-15.1)	26.1	(20.7-32.2)	23.2	(16.8-31.1)	15.0	(4.7-38.8)
Household Income										
< $35,000	28.8	(26.3-31.4)	26.3	(23.8-28.9)	34.8	(29.1-41.0)	30.5	(20.6-42.6)		---[c]
$35,000 +	15.0	(13.5-16.5)	13.4	(12.0-14.9)	21.4	(15.6-28.6)	20.1	(13.6-28.8)	30.5	(15.9-50.5)

[a] The proportion who reported not participating in any leisure-time physical activities or exercises such as running, calisthenics, golf, gardening, or walking in the past month.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

20

Table 19: Inadequate Physical Activity[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	49.4	(47.9-51.0)	48.1	(46.4-49.9)	59.0	(54.3-63.4)	54.8	(47.4-62.1)	33.4	(23.1-45.6)
Age										
18 - 49	46.4	(43.9-48.8)	45.1	(42.4-47.8)	56.0	(49.5-62.3)	52.6	(42.7-62.4)	27.5	(16.1-42.9)
50 +	53.6	(51.8-55.4)	52.0	(50.1-53.9)	63.9	(58.5-69.0)	60.7	(50.7-69.8)	52.8	(37.4-67.8)
Gender										
Male	48.3	(45.8-50.9)	47.1	(44.4-49.9)	57.9	(50.2-65.3)	55.6	(43.7-66.8)		---[c]
Female	50.5	(48.6-52.5)	49.1	(47.0-51.3)	59.7	(54.2-65.1)	54.1	(45.0-62.9)	36.8	(24.2-51.5)
Education										
High school graduate or less	51.4	(48.8-54.1)	51.1	(48.2-54.0)	57.6	(50.9-64.1)	49.0	(35.6-62.6)	39.3	(22.8-58.5)
Some college or more	48.2	(46.2-50.2)	46.5	(44.3-48.6)	59.9	(53.6-65.9)	57.9	(49.2-66.2)	27.8	(16.6-42.8)
Household Income										
< $35,000	54.7	(51.8-57.6)	54.0	(50.6-57.4)	58.7	(52.2-64.9)	58.2	(45.6-69.8)		---[c]
$35,000 +	46.2	(44.2-48.3)	44.8	(42.6-47.0)	58.5	(51.1-65.5)	53.9	(43.9-63.6)	33.9	(20.9-49.8)

[a] The proportion who reported that they do not usually do moderate physical activities for a total of at least 30 minutes on five or more days per week or vigorous physical activities for a total of at least 20 minutes on three or more days per week while not at work.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

21

Table 20: Inadequate Fruit & Vegetable Consumption[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	78.7	(77.5-80.0)	79.1	(77.7-80.4)	77.9	(74.1-81.3)	77.9	(71.8-83.0)	78.7	(63.8-88.5)
Age										
18 - 49	80.9	(78.9-82.7)	81.8	(79.7-83.8)	77.7	(72.1-82.4)	78.9	(70.4-85.4)	77.6	(58.6-89.4)
50 +	76.0	(74.6-77.5)	75.7	(74.1-77.3)	77.3	(72.7-81.3)	77.1	(68.3-84.1)	82.2	(69.5-90.3)
Gender										
Male	83.6	(81.6-85.4)	83.9	(81.9-85.8)	84.2	(78.6-88.5)	82.6	(72.7-89.4)	---[c]	
Female	74.3	(72.6-75.9)	74.5	(72.7-76.3)	72.8	(67.5-77.6)	73.3	(65.3-80.1)	80.7	(69.1-88.7)
Education										
High school graduate or less	82.0	(79.9-83.9)	82.1	(79.9-84.1)	80.8	(75.2-85.4)	82.8	(71.0-90.5)	82.9	(56.9-94.7)
Some college or more	76.9	(75.2-78.4)	77.2	(75.5-78.9)	75.6	(70.2-80.4)	75.8	(68.3-82.0)	73.8	(54.5-86.8)
Household Income										
< $35,000	79.6	(77.2-81.7)	79.1	(76.3-81.6)	78.5	(72.6-83.4)	77.0	(65.8-85.3)	---[c]	
$35,000 +	78.3	(76.6-79.9)	78.8	(77.1-80.5)	75.4	(69.2-80.8)	78.7	(70.3-85.2)	71.5	(53.5-84.5)

[a] The proportion whose total reported consumption of fruits (including juice) and vegetables was less than five times per day.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

22

Table 21: Current Smoking[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	21.1	(19.8-22.5)	21.5	(20.0-23.0)	20.0	(16.6-23.9)	17.7	(13.1-23.5)	24.5	(14.0-39.1)
Age										
18 - 49	26.1	(24.0-28.3)	27.6	(25.2-30.1)	20.9	(16.3-26.6)	18.0	(11.9-26.4)	27.5	(14.7-45.6)
50 +	14.5	(13.3-15.8)	13.9	(12.6-15.2)	18.7	(14.6-23.5)	17.3	(11.7-24.8)	13.9	(6.8-26.4)
Gender										
Male	23.5	(21.3-25.8)	23.7	(21.4-26.2)	24.0	(17.9-31.4)	16.1	(9.6-25.6)		---[c]
Female	18.9	(17.4-20.5)	19.4	(17.6-21.2)	16.7	(13.5-20.5)	19.3	(13.4-27.0)	18.1	(8.9-33.4)
Education										
High school graduate or less	30.5	(28.1-33.1)	31.0	(28.3-33.8)	27.6	(22.0-34.0)	22.8	(13.7-35.3)	40.8	(22.9-61.6)
Some college or more	15.2	(13.8-16.7)	15.6	(14.0-17.3)	14.1	(10.4-19.0)	15.3	(10.5-21.8)	6.7	(2.3-17.9)
Household Income										
< $35,000	30.2	(27.6-33.0)	31.1	(28.0-34.4)	26.6	(21.2-32.6)	26.6	(17.8-37.7)		---[c]
$35,000 +	17.0	(15.4-18.7)	17.8	(16.0-19.7)	14.2	(9.6-20.3)	11.1	(6.6-18.1)	12.9	(5.2-28.6)

[a] The proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life and that they smoke cigarettes now, either every day or on some days.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

Table 22: Heavy Drinking[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.1	(5.3-6.9)	6.6	(5.7-7.6)	4.0	(2.5-6.5)	2.6	(1.1-6.3)	7.4	(3.0-17.1)
Age										
18 - 49	7.0	(5.8-8.4)	7.8	(6.4-9.5)	5.5	(3.2-9.3)	1.3	(0.2-8.7)	6.1	(1.7-19.7)
50 +	4.9	(4.2-5.7)	5.1	(4.4-6.0)	1.6	(0.9-2.8)	5.4	(2.1-13.1)	12.2	(4.7-28.2)
Gender										
Male	7.5	(6.2-9.0)	8.1	(6.6-9.9)	4.7	(2.5-8.5)	3.7	(1.2-10.6)	---[c]	
Female	4.8	(3.9-5.7)	5.2	(4.3-6.3)	3.5	(1.7-7.3)	1.5	(0.3-7.2)	6.3	(1.2-27.1)
Education										
High school graduate or less	6.3	(5.1-7.8)	6.5	(5.1-8.2)	5.4	(3.0-9.3)	3.8	(0.9-14.2)	8.0	(2.2-24.6)
Some college or more	6.0	(5.1-7.1)	6.7	(5.6-8.0)	3.1	(1.4-6.8)	2.0	(0.6-6.2)	6.7	(1.8-21.5)
Household Income										
< $35,000	6.1	(4.7-7.7)	6.8	(5.2-9.0)	4.3	(2.4-7.5)	0.4	(0.1-2.6)	---[c]	
$35,000 +	6.7	(5.6-7.9)	7.1	(5.9-8.4)	3.7	(1.5-8.9)	4.6	(1.8-11.2)	9.0	(2.7-26.0)

[a] The proportion who reported consuming on average more than two alcoholic beverages per day for men or more than one per day for women in the previous month.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

24

Table 23: Binge Drinking[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	18.4	(17.1-19.8)	19.5	(18.1-21.1)	13.5	(10.3-17.4)	10.6	(6.9-16.0)	26.1	(15.4-40.6)
Age										
18 - 49	24.9	(22.8-27.1)	27.2	(24.9-29.8)	17.1	(12.5-22.9)	11.3	(6.4-19.1)	26.7	(14.0-44.9)
50 +	9.9	(8.8-11.1)	9.9	(8.8-11.2)	7.5	(4.8-11.6)	9.7	(5.3-17.1)	23.6	(12.4-40.4)
Gender										
Male	24.9	(22.6-27.2)	26.8	(24.4-29.4)	17.1	(11.6-24.4)	11.7	(6.3-20.7)		---[c]
Female	12.5	(11.1-14.0)	12.6	(11.1-14.3)	10.7	(7.5-15.0)	9.5	(5.2-16.8)	24.6	(12.9-41.9)
Education										
High school graduate or less	18.2	(16.0-20.6)	18.1	(15.8-20.7)	15.9	(11.1-22.2)	17.5	(9.5-30.0)	26.4	(11.6-49.6)
Some college or more	18.7	(17.1-20.5)	20.4	(18.5-22.3)	11.7	(7.8-17.1)	7.0	(3.7-12.8)	25.7	(13.1-44.2)
Household Income										
< $35,000	15.9	(13.7-18.4)	16.6	(14.0-19.5)	15.2	(10.6-21.3)	8.1	(3.8-16.5)		---[c]
$35,000 +	21.7	(19.9-23.6)	23.3	(21.3-25.4)	12.9	(8.3-19.7)	11.7	(6.8-19.4)	21.4	(10.9-37.5)

[a] The proportion who reported consuming five or more drinks per occasion (for men) or four or more drinks per occasion (for women) at least once in the previous month.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

25

Table 24: Ever Told High Blood Pressure[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	29.0	(27.8-30.3)	28.1	(26.8-29.5)	37.2	(33.3-41.3)	25.0	(19.7-31.2)	22.0	(13.2-34.2)
Age										
18 - 49	14.9	(13.3-16.6)	13.9	(12.2-15.7)	21.0	(16.6-26.2)	12.9	(7.6-21.1)	15.3	(6.4-32.4)
50 +	48.4	(46.7-50.1)	46.0	(44.1-47.8)	67.5	(62.7-72.1)	49.5	(40.1-58.9)	45.7	(31.2-60.9)
Gender										
Male	30.8	(28.7-32.9)	30.2	(27.9-32.5)	39.3	(32.6-46.4)	22.7	(15.0-32.8)		---[c]
Female	27.4	(26.0-28.9)	26.2	(24.6-27.8)	35.5	(31.1-40.2)	27.3	(20.6-35.2)	14.5	(8.5-23.6)
Education										
High school graduate or less	33.3	(31.1-35.5)	33.0	(30.7-35.4)	40.5	(34.6-46.7)	31.3	(21.5-43.1)	16.5	(7.8-31.7)
Some college or more	26.1	(24.6-27.7)	25.1	(23.5-26.8)	34.5	(29.4-40.0)	22.1	(16.0-29.7)	28.2	(14.6-47.4)
Household Income										
< $35,000	35.2	(32.7-37.7)	33.9	(31.2-36.7)	41.9	(36.1-48.0)	35.8	(25.5-47.5)		---[c]
$35,000 +	25.1	(23.5-26.8)	25.0	(23.3-26.8)	31.2	(25.5-37.6)	17.1	(11.7-24.2)	23.1	(11.0-42.0)

[a] Among all respondents, the proportion who reported that they were ever told by a doctor that they have high blood pressure (HBP). Women who had HBP only during pregnancy and adults who were borderline hypertensive were considered to not have been diagnosed.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	82.5	(80.9-83.9)	82.6	(80.9-84.2)	84.8	(80.9-88.1)	82.8	(75.9-88.1)	67.6	(51.9-80.2)
Age										
18 - 49	71.9	(69.4-74.3)	71.1	(68.3-73.7)	78.6	(72.7-83.6)	75.8	(65.8-83.6)	59.2	(41.6-74.8)
50 +	96.7	(96.0-97.3)	96.9	(96.1-97.5)	95.7	(93.2-97.3)	96.3	(91.0-98.5)	96.8	(87.9-99.2)
Gender										
Male	80.2	(77.6-82.5)	80.0	(77.3-82.5)	85.9	(80.1-90.2)	83.8	(71.9-91.3)		---[c]
Female	84.6	(82.7-86.3)	85.1	(83.0-87.0)	83.9	(78.3-88.3)	81.9	(73.0-88.3)	78.1	(61.9-88.6)
Education										
High school graduate or less	75.6	(72.8-78.3)	76.5	(73.4-79.4)	80.2	(74.1-85.1)	72.7	(58.3-83.5)	48.7	(29.9-67.9)
Some college or more	86.7	(85.0-88.3)	86.4	(84.3-88.2)	88.7	(83.1-92.6)	87.9	(80.2-92.8)	87.7	(68.9-95.8)
Household Income										
< $35,000	77.3	(74.2-80.2)	77.4	(73.8-80.6)	80.2	(73.6-85.5)	80.6	(68.9-88.6)		---[c]
$35,000 +	86.3	(84.4-88.0)	85.8	(83.7-87.7)	90.0	(84.1-93.9)	87.8	(77.9-93.6)	85.9	(65.6-95.1)

Table 25: Cholesterol Ever Checked[a] by Race-Ethnicity
2007 Michigan BRFS

[a] Among all respondents, the proportion who reported ever having had their blood cholesterol checked.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

27

Table 26: Ever Told High Cholesterol[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	39.9	(38.4-41.4)	40.8	(39.2-42.5)	35.5	(31.2-40.0)	41.6	(34.4-49.1)	34.9	(23.3-48.6)
Age										
18 - 49	28.4	(26.2-30.8)	28.6	(26.1-31.2)	25.7	(19.9-32.5)	34.3	(24.8-45.3)		---[c]
50 +	51.8	(50.1-53.6)	51.9	(50.0-53.8)	50.1	(44.8-55.5)	53.9	(44.2-63.3)	52.2	(36.7-67.3)
Gender										
Male	42.8	(40.3-45.3)	43.6	(40.9-46.3)	36.7	(29.5-44.6)	46.1	(34.6-57.9)		---[c]
Female	37.4	(35.7-39.2)	38.4	(36.4-40.3)	34.4	(29.5-39.7)	37.1	(28.5-46.6)	29.7	(18.5-44.1)
Education										
High school graduate or less	44.2	(41.7-46.7)	45.3	(42.6-48.1)	37.7	(31.4-44.5)	50.2	(35.8-64.5)		---[c]
Some college or more	37.7	(35.9-39.6)	38.4	(36.4-40.4)	34.0	(28.3-40.2)	38.4	(30.2-47.4)	33.7	(18.5-53.1)
Household Income										
< $35,000	44.0	(41.3-46.9)	47.0	(43.8-50.3)	38.0	(31.8-44.6)	42.1	(30.1-55.1)		---[c]
$35,000 +	37.9	(35.9-39.9)	38.2	(36.1-40.3)	31.2	(25.0-38.2)	42.7	(33.0-53.0)	42.6	(26.6-60.3)

[a] Among those who ever had their blood cholesterol checked (n = 6,688), the proportion who reported that a doctor, nurse, or other health professional had told them that their cholesterol was high.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

Table 27: No Routine Checkup in Past Year[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	30.5	(29.0-32.0)	32.7	(31.1-34.4)	18.0	(14.9-21.6)	33.1	(26.4-40.5)	26.9	(17.6-38.9)
Age										
18 - 49	37.8	(35.5-40.2)	41.4	(38.7-44.1)	20.5	(16.0-25.8)	39.4	(30.1-49.6)	30.5	(18.8-45.5)
50 +	20.8	(19.4-22.2)	21.8	(20.3-23.5)	13.6	(10.6-17.4)	20.8	(14.4-29.0)	13.9	(6.4-27.7)
Gender										
Male	36.6	(34.1-39.0)	39.8	(37.1-42.5)	20.1	(15.2-26.0)	38.0	(27.7-49.6)		---[c]
Female	24.9	(23.2-26.7)	26.1	(24.2-28.1)	16.4	(12.5-21.1)	28.1	(20.3-37.4)	32.7	(21.1-47.0)
Education										
High school graduate or less	28.4	(26.1-30.8)	30.5	(27.9-33.3)	16.6	(12.8-21.3)	33.4	(22.4-46.7)	24.4	(12.1-42.9)
Some college or more	32.1	(30.2-34.1)	34.1	(31.9-36.3)	19.2	(14.7-24.7)	32.8	(24.8-42.0)	30.0	(17.5-46.3)
Household Income										
< $35,000	32.0	(29.3-34.8)	35.0	(31.8-38.3)	20.3	(15.8-25.6)	42.4	(31.0-54.7)		---[c]
$35,000 +	30.6	(28.6-32.6)	32.2	(30.1-34.4)	18.4	(13.4-24.7)	26.3	(18.5-36.0)	31.7	(18.8-48.2)

[a] The proportion who reported that they did not have a routine checkup in the past year.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

Table 28: Ever Had an HIV Test
Among Adults 18 – 64 Years Old[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	38.5	(36.7-40.3)	33.7	(31.8-35.7)	62.7	(57.7-67.5)	34.8	(27.8-42.6)	56.8	(42.8-69.8)
Age										
18 - 49	46.0	(43.6-48.5)	41.1	(38.5-43.7)	72.8	(66.4-78.3)	33.9	(25.6-43.4)	61.4	(44.4-76.0)
50 - 64	21.0	(19.1-22.9)	17.9	(16.1-20.0)	33.5	(27.4-40.2)	37.8	(26.7-50.3)		---[c]
Gender										
Male	35.6	(32.8-38.4)	31.6	(28.7-34.6)	61.9	(53.7-69.6)	24.5	(15.9-35.9)		---[c]
Female	41.4	(39.2-43.7)	35.9	(33.5-38.4)	63.4	(57.2-69.2)	45.5	(35.8-55.6)	67.7	(54.4-78.7)
Education										
High school graduate or less	35.6	(32.5-38.7)	30.4	(27.2-33.8)	58.6	(50.8-65.9)	34.8	(21.6-50.8)		---[c]
Some college or more	40.1	(37.9-42.4)	35.4	(33.1-37.8)	65.8	(59.1-71.8)	34.9	(27.0-43.7)	71.4	(55.8-83.2)
Household Income										
< $35,000	39.6	(36.1-43.3)	33.6	(29.7-37.9)	55.5	(47.9-62.8)	42.4	(29.4-56.6)		---[c]
$35,000 +	38.7	(36.5-40.9)	34.3	(32.0-36.6)	68.9	(61.8-75.2)	33.2	(24.6-43.1)	68.1	(52.2-80.7)

[a] Among those aged 18 - 64 years (n = 5,051), the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

30

Table 29: Lifetime Asthma Prevalence - Adults[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.7	(13.6-15.8)	13.7	(12.6-15.0)	18.5	(14.9-22.6)	15.1	(10.7-20.9)	21.8	(13.6-32.9)
Age										
18 - 49	17.2	(15.4-19.1)	16.4	(14.5-18.5)	21.1	(16.0-27.2)	14.6	(8.9-23.0)	20.7	(11.3-34.9)
50 +	11.3	(10.3-12.4)	10.4	(9.3-11.5)	14.7	(11.3-18.8)	14.7	(9.3-22.5)	26.0	(15.2-40.9)
Gender										
Male	13.4	(11.7-15.2)	12.1	(10.4-14.1)	19.3	(13.5-26.7)	14.1	(7.5-25.0)		---[c]
Female	15.9	(14.5-17.4)	15.2	(13.7-16.9)	17.8	(13.9-22.6)	16.1	(11.3-22.5)	24.8	(14.6-38.9)
Education										
High school graduate or less	14.4	(12.7-16.4)	13.9	(11.9-16.0)	17.8	(13.3-23.4)	13.4	(6.6-25.3)	14.3	(7.1-26.7)
Some college or more	14.8	(13.4-16.4)	13.7	(12.3-15.3)	18.9	(14.0-25.1)	15.6	(10.4-22.7)	30.5	(17.1-48.3)
Household Income										
< $35,000	16.0	(14.0-18.2)	14.0	(11.9-16.4)	20.2	(15.3-26.2)	22.2	(14.5-32.6)		---[c]
$35,000 +	13.3	(12.0-14.9)	13.0	(11.6-14.6)	15.3	(10.1-22.5)	11.1	(6.3-18.9)	19.2	(10.4-32.8)

[a] The proportion of adults who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

31

Table 30: Current Asthma Prevalence - Adults[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	9.5	(8.6-10.5)	8.7	(7.8-9.7)	12.9	(10.0-16.5)	11.1	(7.2-16.7)	14.5	(7.9-25.2)
Age										
18 - 49	10.5	(9.2-12.1)	9.6	(8.2-11.3)	13.8	(9.7-19.3)	11.1	(6.1-19.4)	15.4	(7.5-29.2)
50 +	8.2	(7.3-9.1)	7.5	(6.7-8.5)	12.0	(8.9-16.0)	10.2	(5.8-17.2)	11.6	(5.6-22.3)
Gender										
Male	7.9	(6.6-9.4)	7.0	(5.8-8.5)	11.8	(7.6-17.8)	9.2	(3.7-20.9)		---[c]
Female	11.0	(9.8-12.4)	10.2	(9.0-11.7)	13.8	(10.1-18.6)	12.9	(8.7-18.8)	18.0	(9.1-32.5)
Education										
High school graduate or less	9.5	(8.1-11.1)	8.9	(7.3-10.7)	13.6	(9.6-19.0)	8.9	(3.6-20.4)	7.0	(2.7-17.3)
Some college or more	9.6	(8.5-10.8)	8.6	(7.5-9.8)	12.3	(8.4-17.5)	11.7	(7.1-18.8)	23.2	(11.4-41.5)
Household Income										
< $35,000	10.5	(8.9-12.4)	8.9	(7.3-10.8)	14.2	(9.8-20.0)	18.4	(11.3-28.5)		---[c]
$35,000 +	8.0	(7.0-9.2)	7.8	(6.7-9.0)	9.7	(6.1-15.2)	5.8	(2.4-13.3)	13.0	(6.0-26.0)

[a] Among all adult respondents, the proportion who reported that they still had asthma.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

32

Table 31: Doctor Diagnosed Arthritis[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	31.7	(30.4-33.0)	32.5	(31.1-34.0)	28.8	(25.5-32.4)	30.2	(24.5-36.5)	19.8	(12.8-29.4)
Age										
18 - 49	15.5	(14.0-17.0)	16.2	(14.5-18.0)	13.5	(10.4-17.4)	17.1	(11.6-24.5)	7.1	(2.3-20.4)
50 +	53.9	(52.2-55.6)	53.1	(51.3-55.0)	57.3	(52.0-62.5)	57.6	(48.0-66.6)	60.4	(44.9-74.1)
Gender										
Male	28.2	(26.3-30.3)	29.6	(27.4-31.8)	22.7	(17.9-28.3)	25.2	(17.8-34.5)		---[c]
Female	34.9	(33.3-36.6)	35.3	(33.5-37.2)	33.8	(29.5-38.4)	35.0	(27.3-43.6)	20.7	(13.2-31.0)
Education										
High school graduate or less	34.3	(32.1-36.5)	34.9	(32.5-37.4)	32.8	(27.7-38.4)	36.8	(26.0-49.1)	24.0	(13.0-40.2)
Some college or more	29.8	(28.2-31.4)	31.0	(29.3-32.9)	25.6	(21.4-30.4)	27.0	(20.6-34.4)	14.9	(7.8-26.6)
Household Income										
< $35,000	37.8	(35.4-40.4)	38.7	(35.8-41.6)	34.2	(29.1-39.7)	42.9	(31.9-54.7)		---[c]
$35,000 +	27.9	(26.3-29.6)	29.1	(27.3-31.0)	22.8	(18.2-28.0)	26.3	(19.1-34.9)	14.0	(7.7-24.1)

[a] Among all respondents, the proportion who reported ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

33

Table 32: Ever Told Heart Attack[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	4.8	(4.4-5.4)	4.6	(4.1-5.2)	5.0	(3.8-6.7)	8.9	(6.0-13.0)	1.9	(0.7-4.9)
Age										
18 - 49	1.2	(0.8-1.7)	0.9	(0.6-1.5)	2.2	(1.2-4.0)	3.2	(1.1-8.8)	0.3	(0.0-1.8)
50 +	10.0	(9.0-11.0)	9.4	(8.4-10.5)	10.4	(7.6-14.1)	20.9	(14.4-29.5)	8.0	(2.9-19.9)
Gender										
Male	6.3	(5.5-7.3)	6.2	(5.3-7.2)	5.6	(3.5-8.9)	12.9	(7.8-20.5)	---[c]	
Female	3.5	(3.0-4.0)	3.2	(2.7-3.8)	4.5	(3.2-6.3)	4.9	(2.7-8.9)	2.2	(0.8-6.0)
Education										
High school graduate or less	6.4	(5.5-7.4)	6.0	(5.1-7.2)	6.5	(4.5-9.4)	15.5	(9.1-25.0)	3.4	(1.2-9.3)
Some college or more	3.8	(3.2-4.4)	3.7	(3.2-4.4)	3.9	(2.5-6.2)	5.6	(3.1-10.1)	0.3	(0.0-2.2)
Household Income										
< $35,000	8.0	(6.9-9.2)	8.4	(7.1-9.9)	8.1	(5.8-11.2)	7.2	(3.8-13.2)	---[c]	
$35,000 +	3.0	(2.5-3.6)	2.8	(2.3-3.5)	1.7	(0.8-3.5)	8.7	(4.8-15.3)	2.2	(0.6-8.5)

[a] Among all adults, the proportion who had ever been told by a doctor that they had a heart attack or myocardial infarction.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

34

Table 33: Ever Told Angina or Coronary Heart Disease[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	4.9	(4.5-5.5)	5.1	(4.6-5.7)	3.9	(2.8-5.4)	5.6	(3.8-8.4)	2.4	(0.9-6.1)
Age										
18 - 49	1.0	(0.6-1.4)	1.0	(0.6-1.6)	1.4	(0.6-2.9)	0.8	(0.2-2.5)	0.0	---
50 +	10.5	(9.5-11.6)	10.4	(9.4-11.6)	8.7	(6.1-12.3)	15.9	(10.5-23.3)	11.1	(4.5-25.2)
Gender										
Male	5.8	(5.0-6.8)	6.5	(5.5-7.5)	3.4	(1.8-6.4)	4.0	(2.0-7.8)		---[c]
Female	4.1	(3.6-4.7)	3.8	(3.3-4.5)	4.3	(3.0-6.1)	7.3	(4.4-11.7)	2.2	(0.7-6.3)
Education										
High school graduate or less	6.2	(5.4-7.2)	6.6	(5.6-7.7)	5.1	(3.3-7.7)	8.7	(4.8-15.3)	1.9	(0.4-8.3)
Some college or more	4.0	(3.5-4.6)	4.2	(3.6-4.9)	2.9	(1.7-5.0)	4.1	(2.4-7.1)	3.1	(0.9-9.8)
Household Income										
< $35,000	7.5	(6.5-8.7)	8.5	(7.2-9.9)	5.6	(3.8-8.2)	7.3	(3.7-13.9)		---[c]
$35,000 +	3.4	(2.9-4.1)	3.7	(3.1-4.4)	1.6	(0.7-3.6)	3.7	(2.0-7.0)	2.4	(0.6-9.5)

[a] Among all adults, the proportion who had ever been told by a doctor that they had angina or coronary heart disease.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

35

Table 34: Ever Told Stroke[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	2.8	(2.4-3.2)	2.3	(2.0-2.8)	5.2	(3.8-7.0)	2.5	(1.3-4.8)	3.4	(0.7-15.0)
Age										
18 - 49	1.0	(0.6-1.6)	0.6	(0.3-1.2)	2.6	(1.4-4.8)	0.0	---	3.5	(0.5-20.8)
50 +	5.2	(4.5-5.9)	4.4	(3.8-5.2)	10.1	(7.3-13.9)	7.8	(4.1-14.4)	3.1	(0.8-11.3)
Gender										
Male	2.6	(2.0-3.4)	2.0	(1.5-2.6)	6.0	(3.7-9.5)	2.2	(0.9-5.1)		---[c]
Female	2.9	(2.5-3.5)	2.7	(2.2-3.3)	4.5	(3.1-6.6)	2.9	(1.1-7.3)	1.5	(0.4-5.5)
Education										
High school graduate or less	4.3	(3.5-5.3)	3.5	(2.8-4.4)	7.7	(5.2-11.1)	5.4	(2.3-12.2)	6.4	(1.3-26.7)
Some college or more	1.8	(1.4-2.2)	1.6	(1.3-2.1)	3.3	(2.0-5.4)	1.1	(0.4-2.7)	0.1	(0.0-0.9)
Household Income										
< $35,000	5.4	(4.4-6.7)	4.2	(3.3-5.3)	8.8	(6.2-12.4)	4.8	(1.7-12.5)		---[c]
$35,000 +	1.3	(1.0-1.60)	1.2	(0.9-1.6)	2.3	(1.2-4.4)	0.8	(0.2-2.7)	0.0	---

[a] Among all adults, the proportion who had ever been told by a doctor that they had a stroke.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

Table 35: Ever Told Diabetes[a] by Race-Ethnicity
2007 Michigan BRFS

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	9.0	(8.3-9.7)	7.8	(7.1-8.5)	14.8	(12.3-17.8)	11.6	(8.1-16.3)	9.0	(4.9-16.1)
Age										
18 - 49	3.5	(2.8-4.4)	2.7	(2.1-3.5)	6.9	(4.4-10.7)	4.4	(1.8-10.4)	4.9	(1.7-13.4)
50 +	16.5	(15.2-17.8)	14.2	(13.0-15.5)	28.8	(24.4-33.8)	26.8	(19.1-36.2)	24.0	(12.9-40.3)
Gender										
Male	9.5	(8.4-10.8)	8.3	(7.2-9.6)	17.2	(12.7-22.9)	9.9	(5.8-16.5)		---[c]
Female	8.5	(7.6-9.4)	7.3	(6.5-8.2)	12.9	(10.4-15.9)	13.3	(8.3-20.6)	10.1	(4.5-20.9)
Education										
High school graduate or less	11.5	(10.2-12.9)	10.5	(9.2-11.9)	17.0	(13.0-21.8)	10.9	(6.2-18.3)	11.7	(5.2-24.2)
Some college or more	7.3	(6.5-8.2)	6.2	(5.4-7.0)	13.1	(10.0-16.9)	12.1	(7.7-18.5)	5.4	(2.0-13.7)
Household Income										
< $35,000	13.3	(11.8-15.0)	12.6	(11.0-14.4)	16.4	(12.7-21.1)	16.0	(9.8-25.1)		---[c]
$35,000 +	6.4	(5.6-7.3)	5.5	(4.7-6.4)	10.5	(7.6-14.3)	11.8	(7.0-19.3)	9.5	(3.8-21.7)

[a] The proportion who reported that they were ever told by a doctor that they have diabetes. Adults who had been told they have prediabetes and women who had diabetes only during pregnancy were classified as not having been diagnosed.
[b] Michigan estimates include all racial groups.
[c] Denominator cell size < 50.

If you have any questions regarding these estimates, please contact Chris Fussman at MDCH, by phone, 517-335-8144, or by e-mail, MIBRFSS@michigan.gov.

37